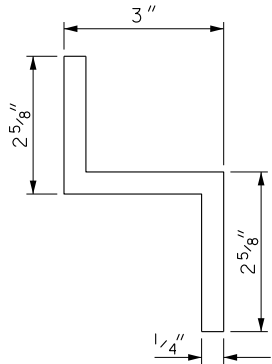
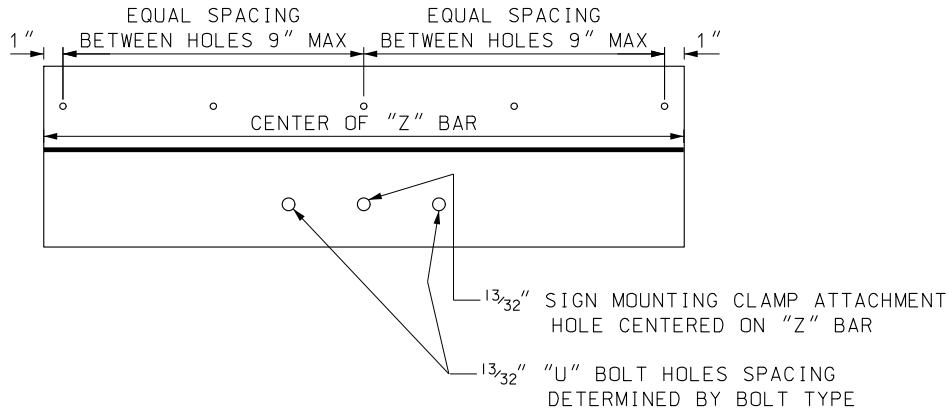


18-DEC-2007 DGN File: L:\Standard Drawings\Imperial\2008\Approved\Signs (SN)\SN13B.dgn

"Z" BAR DETAIL

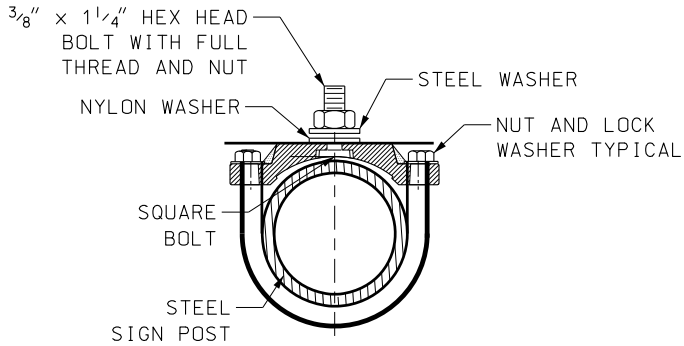


"Z" BAR
ASTM B 221-6061T6

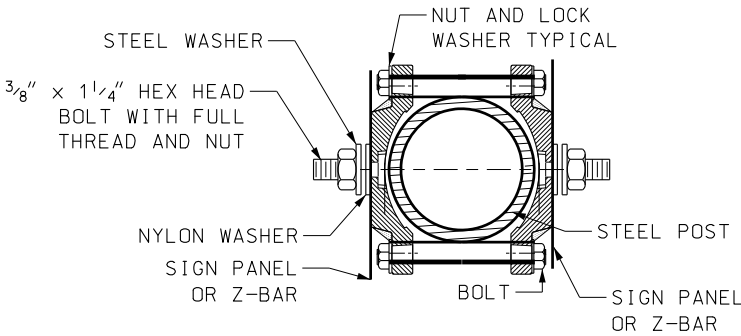
DIMENSIONS FOR MOUNTING CLAMPS

POST TYPE	A	B	C	D	E	F	G	K	L	R1	R2
P1-P2	3 3/4	2 3/4	1 1/2	1 1/8	1/2	3/16	1	2 11/16	1 7/32	1 1/4	1 3/16
P3-P4-P5	4 1/4	3 1/4	2	1 1/4	1/2	1/4	1	3 3/16	1 15/32	1 1/2	1 7/16

TYPICAL SINGLE BRACKET

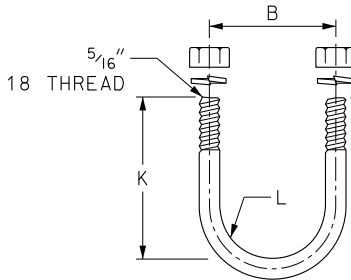


TYPICAL BACK TO BACK



P1 AND P2 BOLT LENGTH 3/8" x 4"
P3, P4, & P5 BOLT LENGTH 3/8" x 4 1/2"
WITH STEEL LOCK WASHER AND NUT

U-BOLT



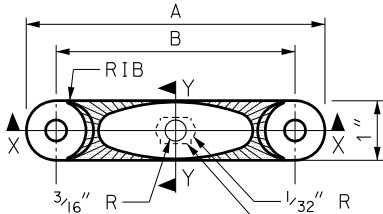
U-BOLT TO BE MADE IN ACCORDANCE
WITH STANDARD MANUFACTURING
PROCEDURE. 9/32" OR 5/16" DIAMETER
STOCK IS PERMISSIBLE. AMERICAN
STANDARD REGULAR SEMI-FINISHED
HEX NUTS AND LOCKWASHERS.

USE A U-BOLT WITH A "K" LENGTH
OF 4 1/2" WHEN SIGN PANEL HAS "Z"
BAR. MOUNT SIGN PANEL DIRECTLY
TO SIGN SUPPORT. NO MOUNTING
CLAMP REQUIRED.

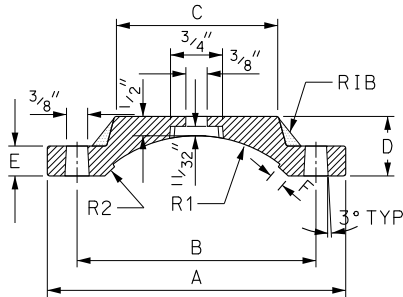
SIGN MOUNTING CLAMP
FOR SOCKET OR SLIPBASE

PIPE CLAMP CASTING

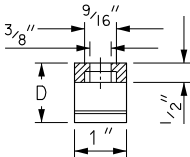
PIPE CLAMP CASTING: ASTM B-85
OR ALUMINUM ALLOY ANSI 360.0



SLOT TO HOLD HEAD OF
3/8" HEX HEAD BOLT



SECTION X-X



SECTION Y-Y

NOTES:

1. USE GALVANIZING CONFORMING TO ASTM 135 FOR ALL
COMPONENTS NOT MADE FROM ALUMINUM.
2. REFER TO STD DWG SN 13A FOR SIGN MOUNTING
REQUIREMENTS.

UTAH DEPARTMENT OF TRANSPORTATION

STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION

SALT LAKE CITY, UTAH

JAN.01.2008

DATE

JAN.01.2008

DATE

DEPUTY DIRECTOR

TUBULAR STEEL
SIGN MOUNTING
HARDWARE

STD DWG
SN 13B

STANDARD DRAWING TITLE

REVISIONS

REMARKS

NO. DATE APPR.